

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

- 1 (Original) A method for the production of zinc flake from zinc particles which comprises dry milling said zinc particles using a mixture of a fluorocarbon lubricant and a stearate lubricant, optionally in admixture with a hydrophobic inorganic powder.
2. (Original) A method as claimed in claim 1 wherein the zinc particles used have a particle size of from 1 to 40 microns.
- 3 (original) A method as claimed in claim 1 wherein the zinc particles used in the form of zinc dust and have a particle size of from 1 to 15 microns.
4. (Original) A method as claimed in claim 3 wherein said dust has a particle size of 4 to 6 microns.
5. (Original) A method as claimed in 1 wherein the fluorocarbon lubricant is PTFE
6. (Original) A method as claimed in claim 1 wherein the fluorocarbon lubricant is present in an amount of from 1 to 5 weight percent based on the weight of zinc.
7. (Original) A method as claimed in 1 wherein stearate lubricant is lithium stearate.
8. (Original) A method as claimed in claim 1 wherein the stearate is present in an amount which is less than the amount of fluorocarbon lubricant.
9. (Original) A method as claimed in claim 8 wherein the stearate is present in an amount of from one third to two thirds of the amount of fluorocarbon lubricant.
10. (Original) A method as claimed in claim 1 wherein said hydrophobic inorganic powder is

hydrophobic fumed silica.

11. (Original) A method as claimed in claim 10 wherein said hydrophobic inorganic particles are present in an amount of from 0.1 to 0.5 based on the amount of fluorocarbon lubricant.
12. (Original) A method as claimed in claim 1 wherein said zinc particles are milled for a sufficient period to produce flakes having an average diameter of from 10 to 15 microns and a thickness of from 1 to 2 microns..
- 13 (Original) A method as claimed in claim 3 wherein the fluorocarbon lubricant is PTFE.
14. (Original) A method as claimed in claim 7 wherein the stearate is present in an amount which is less than the amount of fluorocarbon lubricant.
15. (Original) A method as claimed in claim 3 wherein the fluorocarbon lubricant is PTFE and the stearate lubricant is lithium stearate.
16. (Original) A method as claimed in claim 15 wherein a hydrophobic inorganic powder is present and is hydrophobic fumed silica.
17. (Original) A method as claimed in claim 1 wherein the zinc is mixed or alloyed with nickel.
18. (Newly presented) A method as claimed in claim 1 wherein continuous cooling is effected during the milling operation.
19. (Newly presented) A method for the production of zinc flake from zinc particles which comprises dry milling said zinc particles with continuous cooling of the mill said milling being carried out in the presence of a lubricant optionally in admixture with a hydrophobic inorganic powder wherein said milling is effected.